

IN THE CLAIMS:

Please cancel claims 1 through 25 and add the following claims.

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26. (New) A plastic sheet product having a non-porous matter finish comprising a core layer of a first thermoplastic polymer and at least one layer of a capstock composition overlying and bonded to at least one face of the core layer, said capstock composition containing a plurality of discrete particles immiscible with, and dispersed in, the second thermoplastic polymer, the discrete particles being of a hard, non-elastomeric, crosslinked polymeric composition and having a diameter of between 20 and 80 microns.

A2. 27. (New) A plastic sheet product having a non-porous matte finish comprising a core layer of a first thermoplastic polymer and two layers of a capstock composition overlying and bonded to both top and bottom faces of the core layer, said capstock composition containing a plurality of discrete particles immiscible with, and dispersed in, the second thermoplastic polymer, the discrete particles being of a hard, non-elastomeric, crosslinked polymeric composition and having a diameter of between 20 and 80 microns.

28. (New) The plastic sheet product of claim 26 wherein the first thermoplastic polymer and the second thermoplastic polymer are independently selected from the group consisting of polyethylenes, polypropylenes, ethylene-propylene copolymers, ethylene-vinyl acetate copolymers, ethylene-methacrylate copolymers, ethylene-ethacrylate

copolymers, ethylene methymethacrylate copolymers, ethylene vinyl acetate methymethacrylate copolymers, polyvinyl chloride, acrylonitrile-styrene copolymers, polystyrenes, styrene methymethacrylate copolymers, polyethyle acrylates, polymethymethacrylates, methymethacrylate methylacrylate copolymers, polyethylene terephthalates, polyamides, polycarbonates, polyurethanes, and silicone resins.

29. (New) The plastic sheet product of claim 26 wherein the capstock composition is bonded to only one face of the core.

30. (New) The plastic sheet product of claim 27 wherein the capstock composition is bonded to both faces of the core.

31. (New) The plastic sheet products of claims 26 wherein the first and second thermoplastic polymers comprise a methymethacrylate methacrylate copolymer.

32. (New) The plastic sheet products of claims 26 wherein the core layer has a thickness of 1.5 to 13mm and where the capstock layer has a thickness of 100 to 400 microns.

33. (New) The plastic sheet products of claims 26 wherein the particles are dispersed in the second thermoplastic polymer in an amount of about 4% to about 30% by weight.

34. (New) The plastic sheet product of claims 26 wherein the particles are dispersed in the second thermoplastic polymer in an amount of 22 to 26 % by weight.

35. (New) The plastic sheet products of claims 26 wherein the particles are comprised of spherical, crosslinked, polymeric beads 20-80 microns in diameter.

36. (New) The plastic sheet product of claim 26 wherein the first thermoplastic polymer

and the second thermoplastic polymer are transparent.

37. (New) The plastic sheet product of claim 26 wherein the second thermoplastic polymer is the same as the first thermoplastic polymer.

38. (New) The plastic product of claim 37 wherein the first and the second thermoplastic polymer comprise a methyl methacrylate methyl acrylate copolymer.

39. (New) The plastic sheet product of claim 29 wherein the copolymer comprises about 80 to about 98 wt. % methyl methacrylate and about 2 to about 20 wt.% methyl acrylate.

40. (New) The plastic sheet product of claim 5 wherein the copolymer comprises 93% to 97% by weight methyl methacrylate and 3% to 7% by weight methyl acrylate.

41. (New) The plastic sheet product of claim 26 wherein the first and second thermoplastic polymers have weight average molecular weights in the range of 125,000 to 150,000.

42. (New) The plastic sheet product of claim 26 wherein the core layer has a thickness of about 2 to about 13 mm and said at least one capstock layer has a thickness of about 10 to about 400 microns.

43. (New) The plastic sheet product of claim 37 wherein the core layer has a thickness of 4 to 10 mm and said at least one capstock layer has a thickness of 150 to 300 microns.

44. (New) The plastic sheet product of claim 26 wherein the particles have particle size diameters in the range of about 1 micron to about 60 microns.

45. (New) The plastic sheet product of claim 39 wherein the particles have particle size diameters in the range of 30 to 50 microns.
46. (New) The plastic sheet product of claim 1 wherein the particles are dispersed in the second thermoplastic polymer in an amount of about 4 to about 30% by weight.
47. (New) The plastic sheet product of claim 41 wherein the particles are dispersed in the second thermoplastic polymer in an amount of about 22 to about 26% by weight.
48. (New) The plastic sheet product of claim 26 wherein the refractive indices of the particles and the second thermoplastic polymer are in the range of about 1.40 to about 1.65.
49. (New) The plastic sheet product of claim 43 wherein the refractive indices of the particles and the second thermoplastic polymer are in the range of about 1.49 to about 1.55.
50. (New) The plastic sheet product of claim 26 wherein the refractive index of the particles differs from the refractive index of the second thermoplastic polymer by a value in the range of about 0.001 to about 0.030.
51. (New) The plastic sheet product of claim 49 wherein the refractive index of the particles differs from the refractive index of the second thermoplastic polymer by a value in the range of 0.005 to 0.020.
52. (New) The plastic sheet product of claim 1 wherein the particles are comprised of a polymer or a pigment.

53. (New) The plastic sheet product of claim 52 wherein the particles are comprised of a polymer selected from the group consisting of crosslinked polymethylmethacrylate, crosslinked polymethylmethacrylate modified with an acrylate or methacrylate monomer, crosslinked copolymers of methylmethacrylate and styrene, silicone resins, and polyallyl methacrylates.

54. (New) The plastic sheet product of claim 21 wherein the pigment is selected from the group consisting of barium sulfate, silicon dioxide, aluminum oxide, aluminum hydroxide and calcium carbonate.

55. (New) The plastic sheet product of claim 26 wherein the plastic sheet is formed by feedblock coextrusion of the core layer and the capstock composition.

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